# Earthdata UTC Meeting 03.15.2016

## 1. Attendance

Please make a comment at the bottom of this agenda to record your attendance.

## 2. EMS Status

Nelson Casiano

- **EMS processing delayed**
    - EMS experienced a problem that delayed processing over the weekend.  We are currently processing the backlog and should be caught up by the end of the week.
- **Upcoming/Ongoing Activities with Data Providers**
    - EMS Maintenance planned rescheduled for Thursday, 17 March.
    - MODAPS
        - MODAPSNRT3 - will be moved to production in early 2016.
        - MODAPS planning to add version identification to Collection 5 and Collection 6 MODIS products
        - MODAPS OPENDAP files are being tested in EMS UAT.
    - GHRC
        - AMSR2NRT to EMS - testing continues in UAT; will be moved to Production soonWe are looking to promote to Production Tuesday, 22 March.
    - CDDIS
        - Problem with search expression for some of the log received from CDDIS.  Waiting for an updated search expression file from CDDIS to correct the issue.
    - ECS 8.3.8 (Timezone Update)
        - NSIDC - in Production.
        - LARC ASDC - in Production
        - LP DAAC - Testing in UAT will begin soon

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## 3. Earthdata Login

Peter Smith

- **URS Integration Information on SSO and the API's can be found on**  Wiki
- **DAAC On-boarding Status and Integration Schedule can be found on**  Wiki
    - Please get in touch (Peter Smith or Stanley Stewart) if you are having trouble accessing any of the Wiki areas.
- **URS4 Development**
    - Current Sprint 2.68
    - In Production(Release 4.45)

Failover Contingency Test

On Wednesday March 16, 2016, from 9:30 am to 10:30am during our planned maintenance period we will perform an Earthdata Login Contingency Failover test. There is a potential for brief drop outs during the test period.

### Sprint Status

| Sprint | Start Date | Release | UAT Date | OPS Date |
| --- | --- | --- | --- | --- |

| | | | | |
|---|---|---|---|---|
| **2.68** | 📅 15 Mar 2016 | | | |
| 2.67 | 📅 29 Feb 2016 **4.45** | | 📅 17 Mar 2016 | 📅 24 Mar 2016 |
| 2.66 | 📅 15 Feb 2016 4.44 | | 📅 10 Mar 2016 | 📅 10 Mar 2016 |
| 2.65 | 📅 01 Feb 2016 | | | |
| 2.64 | 📅 18 Jan 2016 4.43 | | 📅 04 Feb 2016 | 📅 11 Jan 2016 |

## Release 4.45 Tickets

[URSFOUR-623](#) - Create a URS page that can act as a test server for application clients

# 4. Earthdata

Brett McLaughlin Mark Reese

- Preparation of Conduit (CMS) for open sourcing
  - Refactoring to serve multiple sites
  - Removal of Earthdata specifics from core code base
- Conduit Workflow Enhancements
  - Build out of various roles: Manager, Editor, Author, User
  - Multi-user support
- Continued preparation and discussion for the developer portal
  - Initial information architecture
  - Prototype build planning

## Key Tickets in Current Sprint

| Key | Summary | T | Created | Updated | Due | Assignee | Reporter | P | Status | Resolution |
|---|---|---|---|---|---|---|---|---|---|---|
| (No result found) | | | | | | | | | | |

# 5. User Support Tool

Stanley Stewart

Issues:

- None

Recent Activity:

- Working with LAADS and MODAPPS at GSFC to integrate with Kayako Support Desk
- Upgraded Kayako to 4.71.2, Bugfix to handle specific malformed emails in all environments.

**Recent Metrics**

## Kayako Tickets for last 12 Weeks

|  | Closed | In Progress | On Hold | Open | Waiting | Waiting for DAAC |
|---|---|---|---|---|---|---|
| ASDC | 213 | 3 |  | 18 | 1 | 2 |
| ASF | 2 |  |  |  |  |  |
| CDDIS | 3 |  |  |  |  |  |
| CMR | 5 |  |  |  |  |  |
| Cross-DAAC |  |  |  | 1 |  |  |
| DAACs | 1 |  |  |  |  |  |
| ECC | 29 |  |  | 13 |  |  |
| ECHO | 12 |  |  |  |  |  |
| EMS | 1 |  |  |  |  |  |
| ESDIS Management | 1 |  |  |  |  |  |
| Earthdata | 51 | 4 |  | 1 |  |  |
| Earthdata Search | 41 |  |  | 1 |  |  |
| FIRMS | 42 | 1 |  |  |  |  |

| | | | | | | |
|---|---|---|---|---|---|---|
| Feedback Module | 1 | | | | | 1 |
| GCMD | 33 | 1 | | | | |
| GES-DISC | 1 | | | 1 | | |
| GHRC | 31 | | | 2 | | 1 |
| GIBS | 2 | | | | | |
| JAMA | 1 | | | | | |
| LANCE | 14 | | | | | |
| LPDAAC | 386 | 4 | 4 | 8 | | |
| MMT | | | | 1 | | |
| MODAPS | 3 | | | | | |
| NSIDC | 4 | | 1 | 1 | | |
| OB.DAAC | 3 | | | 1 | | |
| ORNL DAAC | 19 | | | 1 | | |
| PO.DAAC | 69 | | | 6 | | |
| PO.DAAC Forum | 16 | | | | | |
| Rapid Response | 3 | | | | | |
| Reverb | 38 | | | | | |
| SEDAC | | | | 1 | | |
| Sea Level Change | 2 | | | 18 | | |
| Testing | | | | 2 | | |
| URS | 562 | | | 1 | | |
| UST Staff | 1 | | | | | |
| UUI | 1 | 4 | | 1 | | |

| | | | | | |
|---|---|---|---|---|---|
| Worldview | 65 | 1 | | 1 | |
| Totals (1,761) | 1656 | 18 | 5 | 79 | 1 | 2 |

## Total Kayako Tickets since last UTC

| | Closed | In Progress | On Hold | Open | Waiting for User |
|---|---|---|---|---|---|
| ASDC | 44 | 1 | | 6 | |
| CDDIS | 1 | | | | |
| CMR | 1 | | | | |
| Cross-DAAC | | | | 1 | |
| ECC | 7 | | | 2 | |
| ECHO | 1 | | | | |
| EMS | 1 | | | | |
| Earthdata | 11 | | | 1 | 3 |
| Earthdata Search | 4 | | | | |
| FIRMS | 8 | | | | 1 |
| Feedback Module | 1 | | | | |
| GCMD | 8 | 1 | | | 2 |
| GHRC | 5 | | | 2 | |
| GIBS | 1 | | | | |
| LANCE | 2 | | | | |
| LPDAAC | 70 | | 1 | 7 | |
| MMT | | | | 1 | |
| NSIDC | 1 | | | 1 | |

| | | | | | |
|---|---|---|---|---|---|
| OB.DAAC | | | | 1 | |
| ORNL DAAC | 4 | | | 1 | |
| PO.DAAC | 6 | | | 6 | 1 |
| PO.DAAC Forum | 8 | | | | |
| Reverb | 7 | | | | |
| Sea Level Change | 1 | | | 8 | |
| URS | 115 | | | | |
| UUI | | 1 | | | |
| Worldview | 5 | | | 1 | |
| Totals (361) | 312 | 3 | 1 | 38 | 7 |

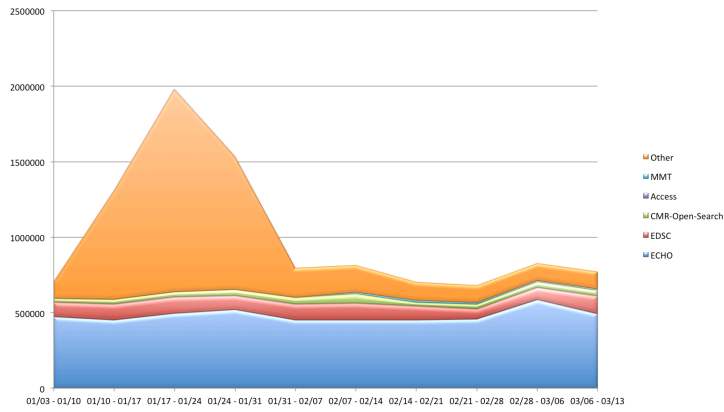# 6. CMR/ECHO/Earthdata Search

Doug Newman

## CMR/ECHO System Status

### System Issues

- 03/03/16 CMR Operations outage 7:01 - 7:45pm ET Elastic field cache exhaustion caused low disk space for elastic search resulting in outage.
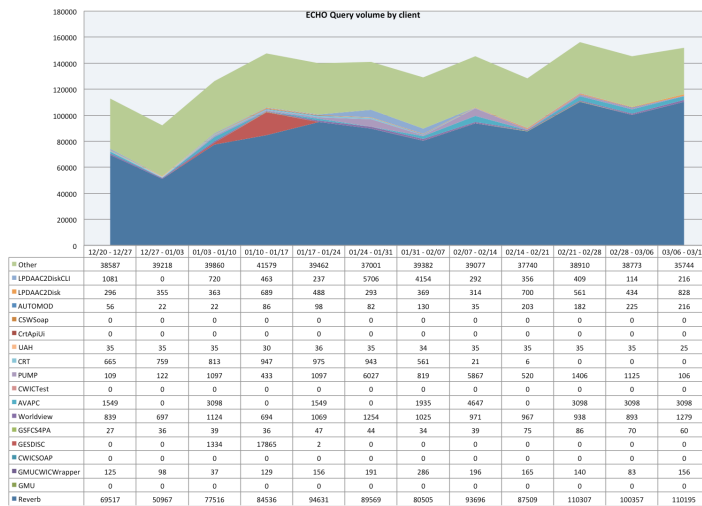
    ### Recent Metrics

    ### CMR client usage
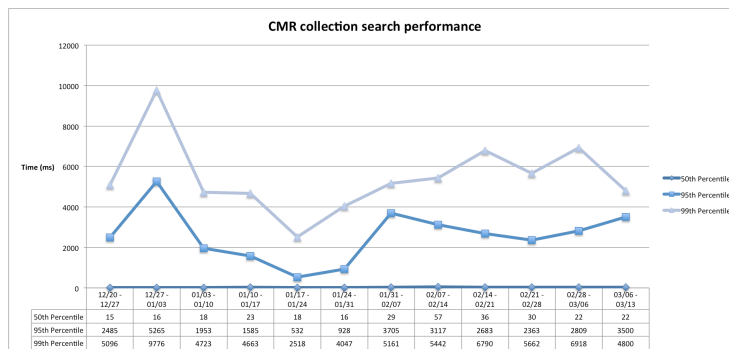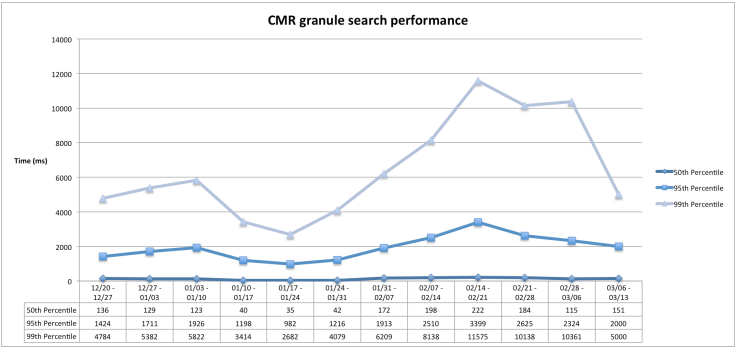
**CMR query volume by client**



Legend: Other, MMT, Access, CMR-Open-Search, EDSC, ECHO

x-axis: 01/03 - 01/10, 01/10 - 01/17, 01/17 - 01/24, 01/24 - 01/31, 01/31 - 02/07, 02/07 - 02/14, 02/14 - 02/21, 02/21 - 02/28, 02/28 - 03/06, 03/06 - 03/13

# ECHO Client Usage

**ECHO Query volume by client**



| | 12/20 - 12/27 | 12/27 - 01/03 | 01/03 - 01/10 | 01/10 - 01/17 | 01/17 - 01/24 | 01/24 - 01/31 | 01/31 - 02/07 | 02/07 - 02/14 | 02/14 - 02/21 | 02/21 - 02/28 | 02/28 - 03/06 | 03/06 - 03/13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Other | 38587 | 39218 | 39860 | 41579 | 39462 | 37001 | 39382 | 39077 | 37740 | 38910 | 38773 | 35744 |
| LPDAAC2DiskCLI | 1081 | 0 | 720 | 463 | 237 | 5706 | 4154 | 292 | 356 | 409 | 114 | 216 |
| LPDAAC2Disk | 296 | 355 | 363 | 689 | 488 | 293 | 369 | 314 | 700 | 561 | 434 | 828 |
| AUTOMOD | 56 | 22 | 22 | 86 | 98 | 82 | 130 | 35 | 203 | 182 | 225 | 216 |
| CSWSoap | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CrtApiUi | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UAH | 35 | 35 | 35 | 30 | 36 | 35 | 34 | 35 | 35 | 35 | 35 | 25 |
| CRT | 665 | 759 | 813 | 947 | 975 | 943 | 561 | 21 | 6 | 0 | 0 | 0 |
| PUMP | 109 | 122 | 1097 | 433 | 1097 | 6027 | 819 | 5867 | 520 | 1406 | 1125 | 106 |
| CWICTest | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| AVAPC | 1549 | 0 | 3098 | 0 | 1549 | 0 | 1935 | 4647 | 0 | 3098 | 3098 | 3098 |
| Worldview | 839 | 697 | 1124 | 694 | 1069 | 1254 | 1025 | 971 | 967 | 938 | 893 | 1279 |
| GSFC54PA | 27 | 36 | 39 | 36 | 47 | 44 | 34 | 39 | 75 | 86 | 70 | 60 |
| GESDISC | 0 | 0 | 1334 | 17865 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CWICSOAP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| GMUCWICWrapper | 125 | 98 | 37 | 129 | 156 | 191 | 286 | 196 | 165 | 140 | 83 | 156 |
| GMU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Reverb | 69517 | 50967 | 77516 | 84536 | 94631 | 89569 | 80505 | 93696 | 87509 | 110307 | 100357 | 110195 |

# CMR Query Performance

**CMR collection search performance**



Legend: 50th Percentile, 95th Percentile, 99th Percentile

y-axis: Time (ms)

| | 12/20 - 12/27 | 12/27 - 01/03 | 01/03 - 01/10 | 01/10 - 01/17 | 01/17 - 01/24 | 01/24 - 01/31 | 01/31 - 02/07 | 02/07 - 02/14 | 02/14 - 02/21 | 02/21 - 02/28 | 02/28 - 03/06 | 03/06 - 03/13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50th Percentile | 15 | 16 | 18 | 23 | 18 | 16 | 29 | 57 | 36 | 30 | 22 | 22 |
| 95th Percentile | 2485 | 5265 | 1953 | 1585 | 532 | 928 | 3705 | 3117 | 2683 | 2363 | 2809 | 3500 |
| 99th Percentile | 5096 | 9776 | 4723 | 4663 | 2518 | 4047 | 5161 | 5442 | 6790 | 5662 | 6918 | 4800 |

**CMR granule search performance**

| | 12/20 - 12/27 | 12/27 - 01/03 | 01/03 - 01/10 | 01/10 - 01/17 | 01/17 - 01/24 | 01/24 - 01/31 | 01/31 - 02/07 | 02/07 - 02/14 | 02/14 - 02/21 | 02/21 - 02/28 | 02/28 - 03/06 | 03/06 - 03/13 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 50th Percentile | 136 | 129 | 123 | 40 | 35 | 42 | 172 | 198 | 222 | 184 | 115 | 151 |
| 95th Percentile | 1424 | 1711 | 1926 | 1198 | 982 | 1216 | 1913 | 2510 | 3399 | 2625 | 2324 | 2000 |
| 99th Percentile | 4784 | 5382 | 5822 | 3414 | 2682 | 4079 | 6209 | 8138 | 11575 | 10138 | 10361 | 5000 |

Legend: 50th Percentile, 95th Percentile, 99th Percentile

Y-axis: Time (ms)

# CMR/ECHO Release Status

## In Production: 1.44/10.116

**ECHO-590**
Investigate impact of increase in browse scaler usage

**ECHO-589**
Requesting holdings of a provider causes Internal Server Error

**CMR-2460**
NullPointerException when indexing tombstones

**CMR-2459**
UMM JSON version not present in Content-Type when retrieving concept by concept-id and revision-id

**CMR-2448**
Error: Including Client-Id header in CORS request

**CMR-2427**
Translating to umm+json is using incorrect case for SpatialCoverageTypeEnum

**CMR-2418**
Internal server error when trying to ingest collection with entry-title containing special characters

**CMR-2401**
Provide all necessary functionality from IDN opensearch

**CMR-2400**
Accomodate 'production' and 'test' IDN portal functionality

**CMR-2399**
Create CWIC granule OSDD link in collection entry if it has 'cwic-enabled' tag

**CMR-2398**
Scope granule OSDD insertion based on has_granules? functionality

**CMR-2390**
Provider 'include_tags' support in the ATOM format

**CMR-2366**
Make echo-kernel-app deployable

**CMR-2364**
As a Client User, I want tag association concept revisions associated with a Global Transaction Id in Metadat...

**CMR-2363**
As a Client User, I want tag concept revisions associated with a Global Transaction Id in Metadata DB

**CMR-2362**
As a Client User, I want collection concept revisions associated with a Global Transaction Id in Metadata DB

**CMR-2359**
As a Client User, I want to be able to find tag association revisions in Metadata DB

**CMR-2358**
As a Client User, I want to be able to save tag association tombstones in Metadata DB

**CMR-2357**
As a Client User, I want to be able to save tag associations in metadata db

**CMR-2354**
Support versioning of UMM schema

## In UAT: 1.45/10.117

- CMR-2518
  Internal error retrieving UMM JSON from the search API
- CMR-2509
  UMM-JSON collections don't import with correct version in the database
- CMR-2491
  Recent slowdown in transferring requests from Reverb/EDSC to the EDF
- CMR-2479
  Attempting to retrieve UMM-JSON through the search concepts route is causing an internal server error
- CMR-2474
  Assess the GCMD CSW API
- CMR-2470
  ArchiveCenter updates are not appearing in CMR (CMR Bug)
- CMR-2446
  Searching with invalid options causes internal error
- CMR-2420
  DIF9 Parsing Failure for Collection Progress element
- CMR-2406
  Tombstone not included in all revisions search
- CMR-2393
  As a Client User, I want to search for collections with a tag key pattern.
- CMR-2360
  As a Client User, I want to be able to find latest tag association revisions associated with a collection in Metadat...
- CMR-2134
  As a CMR Administrator, I want the CMR to reject attempts to create, view, update, or delete a system level gro...
- CMR-2133
  As a Provider, I want the CMR to reject attempts to create, view, update, or delete a provider owned group if the ...

## Earth Data Search Release Status

### In Production: 1.12

- EDSC-941
  Leaving the data access retrieval page while a service is in progress causes the service request to fail
- EDSC-929
  SPL3SMP reformat to GeoTIFF failure (Earthdata Search)
- EDSC-928
  ICESat/GLAS tracks not plotting properly (Earthdata Search)
- EDSC-925
  Collections with multiple temporal ranges but optional start/end datetime result in 500 error
- EDSC-922
  EarthDataSearch CAL_IIR_L2_Track footprint plotting problem (CMR spatial metadata not plotted properly) (Ear...
- EDSC-918
  Update EDSC to point to CMR OpenSearch
- EDSC-797
  As a user, I want advanced CMR search fields such as cloud cover to be hidden for non-NASA collections so I d...
- EDSC-675
  Rendering glitch for GLAH13 granules
- ECHO-591
  Remove ASTER_L1A user message from Reverb
- ECHO-577
  Descriptions are not maintaining carriage returns

### In UAT: 1.13

● EDSC-957
Page template briefly appears when loading the data access configuration page

● EDSC-949
Science keyword value of "(NULL)" appears in the list

● EDSC-948
Clicking on granules in EDSC Tour granule list gives inconsistent results

● EDSC-946
Tour dialog sometimes points to incorrect place on screen

● EDSC-944
Granule details bookmarks do not always load

● EDSC-942
Long organization names overlap right-hand column in collection details view

● EDSC-933
Empty phone number field causes template errors in the collection detail list

💡 EDSC-818
As a user, I want to retrieve granules from non-NASA collections as a list of download links so I may access my ...

💡 EDSC-805
As a user, I want to access full-size browse for non-NASA granules so I may preview their contents

💡 EDSC-804
As a user, I want to view larger browse previews for non-NASA granules so I may see more details about their c...

💡 EDSC-803
As a user, I want to see browse thumbnails for non-NASA granules among my granule results so I may preview ...

💡 EDSC-801
As a user, I want to search for non-NASA granules temporally so I may filter my results

💡 EDSC-800
As a user, I want to search for non-NASA granules spatially so I may filter my results

## Metadata Management Tool Release Status

### In Production: 1.18

● MMT-433
Inconsistent validation errors when entering bounding box latitude and longitudes

↗ MMT-432
Update Data Date pick list for date type

↗ MMT-431
Update Metadata Date pick list for date type

↗ MMT-420
When a draft is successfully published, it should be removed from the "open drafts" listing.

↗ MMT-395
Add Shortname (formerly known as Entry Id) and Version to breadcrumbs and page header

### In UAT: 1.19

**Upcoming PMs**

**16 Mar 2016**

- Earthdata Search 1.13 to PROD, 1.14 to UAT
- CMR 1.45 to PROD, 1.46 to UAT
- MMT 1.19 to PROD
- ECHO 10.117 to OPS, 10.118 to PT

**23 Mar 2016**

- OPS/PROD OS patching (live)

# 7. GIBS

Matthew Cechini

- **New/Planned Products**
    - Landsat WELD
        - Completed processing of CONUS and Alaska lower-resolution imagery. Reviewing in UAT environment.
        - Ongoing processing of full resolution True Color and NDVI imagery.
        - Ongoing discussion for full resolution false color combinations.
    - MODIS Collection 6 - Atmosphere & Land Reprocessing
        - Atmosphere - Completed 2014-2015 historical reprocessing. Moving forward with historical reprocessing.
        - Land L2 - Waiting on updated test imagery after recent colormap change
    - BEDI Activities - Actively reviewing sample imagery for the following instruments:
        - OMI/AIRS - GESDISC
        - SST/Chlorophyll - OBPG
        - RSS/LIS - GHRC
        - MOPITT/CERES/MISR - ASDC
        - ASTER L1T - LPDAAC
- **GIBS New Production Release**
    - Performing full integration and performance testing
    - Planning/executing formal tests for of SIPS, WMS/CMR, & FTP imagery handlers

# 8. Worldview

Taylor Gunnoe

- Natural Events UI in progress
- Fixed bugs with layers showing as added when theyre removed
- Autodisable layers without data branch updated

## 9. Open Floor

a. Request for Special Topics from DAACs (e.g., example of how a DAAC is using CMR APIs, example of a DAAC utility with applicability at other DAACs)

## 10. Special Topic - POSTPONED

Potential changes to Collection and Granule validation to enable faster metadata improvements